

10/621,361

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NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive  
  
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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
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=> file uspatfull

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0.21

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FILE 'USPATFULL' ENTERED AT 15:51:14 ON 14 AUG 2006  
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 10 Aug 2006 (20060810/PD)  
FILE LAST UPDATED: 10 Aug 2006 (20060810/ED)  
HIGHEST GRANTED PATENT NUMBER: US7089595  
HIGHEST APPLICATION PUBLICATION NUMBER: US2006179536  
CA INDEXING IS CURRENT THROUGH 8 Aug 2006 (20060808/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 10 Aug 2006 (20060810/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2006  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2006

=> s 1,3,5-triazine?

4541905 1  
4518870 3  
4396972 5

L1 43885 TRIAZINE?  
12575 1,3,5-TRIAZINE?  
(1(W)3(W)5(W)TRIAZINE?)

=> s 11/ti

L2 1371 11/TI

=> s triester?(p)benzenecarboxylic acid?

10655 TRIESTER?  
240 BENZENECARBOXYLIC  
895737 ACID?  
222 BENZENECARBOXYLIC ACID?  
(BENZENECARBOXYLIC(W)ACID?)

L3 1 TRIESTER?(P)BENZENECARBOXYLIC ACID?

=> d l3 ibib abs

L3 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 87:81112 USPATFULL  
TITLE: Disperse dye composition for use in solvent dyeing  
INVENTOR(S): Wilson, Robert B., Greenville, SC, United States  
Pomeroy, William F., Rocky Mount, NC, United States  
PATENT ASSIGNEE(S): Crucible Chemical Company, Greenville, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4708719		19871124
APPLICATION INFO.:	US 1984-669352		19841108 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lieberman, Paul		
ASSISTANT EXAMINER:	McNally, John F.		
LEGAL REPRESENTATIVE:	Bailey & Hardaway		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	940		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A disperse dye concentrate for use in non-aqueous solvent systems, employing a disperse dye, comprises 10-95% by weight of dry disperse dye, free of water-soluble dispersing agents, admixed with one or more of:

(A) a cycloaliphatic diester of the formula ##STR1## wherein R is

straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula  $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_n\text{CH}_2\text{CH}_2-$ ,  $\text{HO}(\text{C}_3\text{H}_6\text{O})_n\text{C}_3\text{H}_6-$ ,  $\text{HO}(\text{CH}_2\text{CH}_2)_p(\text{C}_3\text{H}_6\text{O})_q\text{C}_3\text{H}_6-$  or  $\text{HO}(\text{C}_3\text{H}_6\text{O})_p(\text{CH}_2\text{CH}_2\text{O})_q\text{CH}_2\text{CH}_2-$  or phosphated polyoxyalkylene, wherein n is 2-22 and the sum of p+q is n;

(B) a high boiling aromatic ester of the formula

$\text{ArCOOR}$  II

or  $\text{ArCOO--R}$  III

wherein R is alkylene of 2-8 carbon atoms or polyoxyalkylene of the formula  $--\text{C}_r\text{H}_{2r}(\text{OC}_r\text{H}_{2r})_s--$ , in which r is 2 or 3 and s is 1 to 15; R is substituted or unsubstituted alkyl or alkenyl of 8-30 carbon atoms and Ar is substituted or unsubstituted mono- or bicyclic aryl of up to 15 carbon atoms; or

(C) a high boiling alkylphenol ester of an aliphatic or aromatic monocarboxylic acid or a phosphoric acid of the formula

$\text{R}_3\text{COOR}_4$  IV

or  $(\text{HO})_2\text{POOR}_4$  V

wherein R<sub>4</sub> is the residue of an ethoxylated alkylphenol of the formula ##STR2## wherein a is 0-12 and b is 1-24 or an ethoxylated alkanol residue of the formula

$\text{CH}_3(\text{CH}_2)_c--\text{O}--(\text{CH}_2\text{CH}_2\text{O})_d--\text{CH}_2\text{CH}_2-$  VII

wherein c is 7-22, d is 1-24 and R<sub>3</sub> is linear or branched chain alkyl of 1-21 carbon atoms, phenyl or tolyl.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s triester?(p)benzenetricarboxylic acid?

10655 TRIESTER?

1442 BENZENETRICARBOXYLIC

895737 ACID?

1306 BENZENETRICARBOXYLIC ACID?

(BENZENETRICARBOXYLIC(W)ACID?)

L4 21 TRIESTER?(P)BENZENETRICARBOXYLIC ACID?

=> s l1 and l4

L5 2 L1 AND L4

=> d 1-2 ibib abs

L5 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2004:82280 USPATFULL

TITLE: Photoprotective sunscreen compositions comprising 1,3,5-triazine compounds and triesters of benenetricarboxylic acids

INVENTOR(S): Candau, Didier, Bievres, FRANCE

PATENT ASSIGNEE(S): SOCIETE L'OREAL S.A., Paris, FRANCE (non-U.S. corporation)

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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004062729	A1	20040401
APPLICATION INFO.:	US 2003-621361	A1	20030718 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-FR78, filed on 10 Jan 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-750	20010119
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	963	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Photoprotective cosmetic/dermatological compositions well suited for UV-photoprotecting the skin, lips, hair, eyelashes, eyebrows and/or nails against the damaging effects of UV radiation comprise (i) an effective UV-screening amount of at least one 1,3, 5-triazine sunscreen, and (ii) an amount effective to solubilize the totality of said at least one triazine sunscreen (i) of at least one triester of a benzenetricarboxylic acid, formulated into (iii) a topically applicable, cosmetically/dermatologically acceptable carrier therefor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 88:6793 USPATFULL  
TITLE: Continuous dyeing processing for textiles  
INVENTOR(S): Brodmann, George L., Greensboro, NC, United States  
PATENT ASSIGNEE(S): Burlington Industries, Inc., Greensboro, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4722735		19880202
APPLICATION INFO.:	US 1987-1748		19870109 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clingman, A. Lionel		
ASSISTANT EXAMINER:	Rodriguez, Isabelle		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	11		
LINE COUNT:	403		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process is described for the continuous dyeing of textiles in which an aqueous solution of an ionic, water-soluble dye is applied to a fabric in open width. The textile is dried to reduce the water content to at most about 1% and it is then contacted with a nonionic, high-boiling organic liquid in which the ionic dye is substantially completely insoluble while the liquid is maintained at an elevated temperature, i.e., about 325° F.-450° F., for a period of time sufficient to cause the dye to diffuse into the fibers and to fix the ionic dye to the fibers of the textile. Any remainig high-boiling liquid is subsequently removed from the fabric.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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FILE 'USPATFULL' ENTERED AT 15:51:14 ON 14 AUG 2006

L1 12575 S 1,3,5-TRIAZINE?  
L2 1371 S 11/TI  
L3 1 S TRIESTER? (P) BENZENECARBOXYLIC ACID?  
L4 21 S TRIESTER? (P) BENZENETRICARBOXYLIC ACID?  
L5 2 S L1 AND L4

=> s cosmetic?

L6 70278 COSMETIC?

=> s l5 and l6

L7 1 L5 AND L6

=> s l6 and l4

L8 2 L6 AND L4

=> d 1-2 ibib abs

L8 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2005:2253 USPATFULL

TITLE: Lactic acid polymer composition and molded object thereof

INVENTOR(S): Yosimura, Masahumi, Kyoto, JAPAN  
Kamogawa, Toshiyuki, Osaka, JAPAN  
Hattori, Kazuhiro, Kyoto, JAPAN  
Ida, Yukihiro, Kyoto, JAPAN

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005001349	A1	20050106	
APPLICATION INFO.:	US 2004-495486	A1	20040513	(10)
	WO 2002-JP11859		20021114	

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2001-350020	20011115
	JP 2002-286386	20020930
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP, 1725 K STREET, NW, SUITE 1000, WASHINGTON, DC, 20006	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1674	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are a lactic acid-based polymer composition comprising:  
(i) an amide compound represented by General Formula (1):

R.sup.1--(CONHR.sup.2).sub.a (1)

wherein R.sup.1 represents a C.sub.2-30 saturated or unsaturated aliphatic polycarboxylic acid residue, a C.sub.4-28 saturated or unsaturated alicyclic polycarboxylic acid residue, or a C.sub.6-28 aromatic polycarboxylic acid residue, and R.sup.2 represents C.sub.1-18 alkyl, C.sub.2-18 alkenyl, C.sub.3-12 cycloalkyl or cycloalkenyl or the like, (ii) an ester plasticizer, and (iii) a lactic acid-based polymer;

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a transparent, crystalline (heat resistant) molded article molded from such a lactic acid-based polymer composition; and a method for producing such a molded article.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2004:82280 USPATFULL

TITLE: Photoprotective sunscreen compositions comprising 1,3,5-triazine compounds and triesters of benzenetricarboxylic acids

INVENTOR(S): Candau, Didier, Bievres, FRANCE

PATENT ASSIGNEE(S): SOCIETE L'OREAL S.A., Paris, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004062729	A1	20040401
APPLICATION INFO.:	US 2003-621361	A1	20030718 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-FR78, filed on 10 Jan 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-750	20010119
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	963	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Photoprotective cosmetic/dermatological compositions well suited for UV-photoprotecting the skin, lips, hair, eyelashes, eyebrows and/or nails against the damaging effects of UV radiation comprise (i) an effective UV-screening amount of at least one 1,3,5-triazine sunscreen, and (ii) an amount effective to solubilize the totality of said at least one triazine sunscreen (i) of at least one triester of a benzenetricarboxylic acid, formulated into (iii) a topically applicable, cosmetically /dermatologically acceptable carrier therefor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 15:51:00 ON 14 AUG 2006)

FILE 'USPATFULL' ENTERED AT 15:51:14 ON 14 AUG 2006

L1 12575 S 1,3,5-TRIAZINE?  
L2 1371 S 11/TI  
L3 1 S TRIESTER?(P) BENZENECARBOXYLIC ACID?  
L4 21 S TRIESTER?(P) BENZENETRICARBOXYLIC ACID?  
L5 2 S L1 AND L4  
L6 70278 S COSMETIC?  
L7 1 S L5 AND L6  
L8 2 S L6 AND L4

=> d l4 ibib abs 1-21

10/621,361

L4 ANSWER 1 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2005:2253 USPATFULL  
TITLE: Lactic acid polymer composition and molded object thereof  
INVENTOR(S): Yosimura, Masahumi, Kyoto, JAPAN  
Kamogawa, Toshiyuki, Osaka, JAPAN  
Hattori, Kazuhiro, Kyoto, JAPAN  
Ida, Yukihiro, Kyoto, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005001349	A1	20050106
APPLICATION INFO.:	US 2004-495486	A1	20040513 (10)
	WO 2002-JP11859		20021114

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2001-350020	20011115
	JP 2002-286386	20020930
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP, 1725 K STREET, NW, SUITE 1000, WASHINGTON, DC, 20006	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1674	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are a lactic acid-based polymer composition comprising:  
(i) an amide compound represented by General Formula (1):

R.sup.1--(CONHR.sup.2).sub.a (1)

wherein R.sup.1 represents a C.sub.2-30 saturated or unsaturated aliphatic polycarboxylic acid residue, a C.sub.4-28 saturated or unsaturated alicyclic polycarboxylic acid residue, or a C.sub.6-28 aromatic polycarboxylic acid residue, and R.sup.2 represents C.sub.1-18 alkyl, C.sub.2-18 alkenyl, C.sub.3-12 cycloalkyl or cycloalkenyl or the like, (ii) an ester plasticizer, and (iii) a lactic acid-based polymer; a transparent, crystalline (heat resistant) molded article molded from such a lactic acid-based polymer composition; and a method for producing such a molded article.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2004:82280 USPATFULL  
TITLE: Photoprotective sunscreen compositions comprising 1,3,5-triazine compounds and triesters of benenetricarboxylic acids  
INVENTOR(S): Candau, Didier, Bievres, FRANCE  
PATENT ASSIGNEE(S): SOCIETE L'OREAL S.A., Paris, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004062729	A1	20040401
APPLICATION INFO.:	US 2003-621361	A1	20030718 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-FR78, filed on 10 Jan 2002, UNKNOWN		

NUMBER	DATE
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10/621,361

PRIORITY INFORMATION: FR 2001-750 20010119  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404,  
Alexandria, VA, 22313-1404  
NUMBER OF CLAIMS: 32  
EXEMPLARY CLAIM: 1  
LINE COUNT: 963

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Photoprotective cosmetic/dermatological compositions well suited for UV-photoprotecting the skin, lips, hair, eyelashes, eyebrows and/or nails against the damaging effects of UV radiation comprise (i) an effective UV-screening amount of at least one 1,3,5-triazine sunscreen, and (ii) an amount effective to solubilize the totality of said at least one triazine sunscreen (i) of at least one triester of a benzenetricarboxylic acid, formulated into (iii) a topically applicable, cosmetically/dermatologically acceptable carrier therefor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 21 USPATFULL on STN

ACCESSION NUMBER: 1999:132958 USPATFULL  
TITLE: Polybutene-1 resin composition and a method of accelerating the crystal transformation thereof  
INVENTOR(S): Yoshimura, Masafumi, Kuze-gun, Japan  
Ikeda, Naoki, Soraku-gun, Japan  
Mizoguchi, Kazuaki, Uji, Japan  
Kitagawa, Hiroshi, Otsu, Japan  
PATENT ASSIGNEE(S): New Japan Chemical Co., Ltd., Kyoto, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5973076		19991026
APPLICATION INFO.:	US 1995-564801		19951129 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Zitomer, Fred		
LEGAL REPRESENTATIVE:	Armstrong, Westerman, Hattori, McLeland & Naughton		
NUMBER OF CLAIMS:	58		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2286		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are a polybutene-1 resin composition comprising a polybutene-1 resin and a Form-II to Form-I crystal transformation accelerator, and a method of accelerating the Form-II to Form-I crystal transformation comprising molding the polybutene-1 resin composition and allowing the molded product to stand at about 0 to 50° C., the crystal transformation accelerator being an amide compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 21 USPATFULL on STN

ACCESSION NUMBER: 92:88687 USPATFULL  
TITLE: Process of dyeing synthetic fabrics using high-boiling ester solvents  
INVENTOR(S): Brodmann, George, Greensboro, NC, United States  
PATENT ASSIGNEE(S): Burlington Industries Inc., Greensboro, NC, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5158576 19921027  
 APPLICATION INFO.: US 1989-412101 19890925 (7)  
 DISCLAIMER DATE: 20070222  
 RELATED APPLN. INFO.: Division of Ser. No. US 1987-45557, filed on 4 May 1987, now patented, Pat. No. US 4927429

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Niebling, John  
 ASSISTANT EXAMINER: Gorgos, Kathryn  
 LEGAL REPRESENTATIVE: Nixon & Vanderhye  
 NUMBER OF CLAIMS: 8  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 428

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Synthetic textile fibers are dyed in a waterless coloring composition composed of a high-boiling ester solvent and a dye that (a) is soluble to the extent of at least 1.5% in the solvent, (b) provides a depth of coloration, expressed as yield, of at least 25%, (c) imparts to the dyed fibers a lightfastness value of at least 3, and (d) provides the dyed fibers with a washfastness value of at least 3.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 21 USPATFULL on STN  
 ACCESSION NUMBER: 92:29568 USPATFULL  
 TITLE: Magnetic recording medium lubricant comprising a phthalic acid diester and fatty acid ester  
 INVENTOR(S): Ohya, Takao, Kanagawa, Japan  
 Hayakawa, Satoru, Kanagawa, Japan  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5104751		19920414
APPLICATION INFO.:	US 1991-644861		19910123 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1989-362120, filed on 6 Jun 1989, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1988-138958	19880606
	JP 1988-138959	19880606
	JP 1988-209188	19880823
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Cashion, Jr., Merrell C.	
ASSISTANT EXAMINER:	Resan, Stevan A.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	849	

AB A magnetic recording medium having an improved running durability is disclosed, which comprises a non-magnetic support having formed thereon a magnetic layer mainly composed of a ferromagnetic powder and a binder resin, wherein an ester compound selected from the group consisting of a phthalic acid diester represented by formula (I) and a benzenetricarboxylic acid triester represented by formula (II) is contained in the magnetic layer or coated on the magnetic layer: ##STR1## wherein R.sup.1 and R.sup.2, which may be the same or different, each represents a straight chain or branched

alkyl or alkenyl group and the sum of the carbon atoms of R.sup.1 and R.sup.2 is at least 22; and ##STR2## wherein R.sup.3, R.sup.4 and R.sup.5, which may be the same or different, each represents a straight chain or branched alkyl or alkenyl group and the sum of the carbon atoms of R.sup.3, R.sup.4 and R.sup.5 is at least 22, said ester compound being contained in the magnetic layer in an amount of from 1 to 25% by weight based on the amount of the ferromagnetic power in the magnetic layer or being coated on the magnetic layer in an amount of from 2 to 50 mg/m.sup.2.

L4 ANSWER 6 OF 21 USPATFULL on STN

ACCESSION NUMBER: 92:7319 USPATFULL  
 TITLE: Catalysts for polymerization of olefins  
 INVENTOR(S): Tachibana, Masami, Ichiharashi, Japan  
 Uwai, Toshihiro, Ichiharashi, Japan  
 Matsukawa, Tetsuya, Ichiharashi, Japan  
 Hayashida, Teruaki, Ichiharashi, Japan  
 PATENT ASSIGNEE(S): Chisso Corporation, Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5084429		19920128
APPLICATION INFO.:	US 1990-563613		19900807 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-220948	19890828
	JP 1989-268677	19891016
	JP 1989-268678	19891016
	JP 1990-15748	19900125

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Garvin, Patrick P.  
 LEGAL REPRESENTATIVE: Philpitt, Fred  
 NUMBER OF CLAIMS: 13  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)  
 LINE COUNT: 2979

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A catalyst for use in polymerization of olefins which comprises a carrier mainly composed of a magnesium compound precipitated from a solution and a catalytic component supported on the carrier and selected from titanium halides, vanadyl halides and vanadium halides is described. The catalyst is obtained by a process which comprises: (A) mixing (a) at least one magnesium compound with (c) a saturated or unsaturated monohydric or polyhydric alcohol for reaction in dissolved state in the presence of (b) carbon dioxide in an inert hydrocarbon solvent to obtain component (A); (B) subjecting the component (A) to mixing and reaction with (d) a titanium and/or a vanadyl halide and/or a vanadium halide of the general formula, VX.sub.r (OR.sup.8).sub.4-r, and also with (e) at least one boron compound, Si compound and/or Siloxane compound thereby obtaining solid product (I); (C) reacting the solid product (I) with (f) a cyclic ether with or without R.sup.12 OH thereby causing dissolution and re-precipitation to obtain solid product (II); and (D) subjecting the solid product (II) to further reaction with (g) component (B) consisting of a titanium halide and/or a vanadyl halide and/or a vanadium halide, and/or a SiX.sub.s (OR.sup.9).sub.4-s, thereby obtaining solid product (III), followed either by further reaction with a mixture of the component (B) and (h) an electron donor or by reaction of (g) with the solid product (III) obtained by the reaction between the solid product (II) and (h) or (h) with (j) electron

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donor, thereby obtaining solid product (IV) for use as the catalytic component.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 21 USPATFULL on STN

ACCESSION NUMBER: 90:40163 USPATFULL

TITLE: Process of dyeing synthetic fabrics using high-boiling ester solvents

INVENTOR(S): Brodmann, George L., Greensboro, NC, United States

PATENT ASSIGNEE(S): Burlington Industries, Inc., Greensboro, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4927429		19900522
APPLICATION INFO.:	US 1987-45557		19870504 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Niebling, John F.		
ASSISTANT EXAMINER:	Rodriguez, Isabelle		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	407		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Synthetic textile fibers are dyed in a waterless coloring composition composed of a high-boiling ester solvent and a dye that (a) is soluble to the extent of at least 1.5% in the solvent, (b) provides a depth of coloration, expressed as yield, of at least 25%, (c) imparts to the dyed fibers a lightfastness value of at least 3, and (d) provides the dyed fibers with a washfastness value of at least 3.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 21 USPATFULL on STN

ACCESSION NUMBER: 89:22991 USPATFULL

TITLE: Process for rapid dyeing from entrained compositions of high-boiling solvents

INVENTOR(S): Craycroft, Robert S., Sophia, NC, United States

Lorenzo, Tina V., Jamestown, NC, United States

Hansen, John H., Greensboro, NC, United States

Russell, Earnest J., Greensboro, NC, United States

PATENT ASSIGNEE(S): Burlington Industries, Inc., Greensboro, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4816035		19890328
APPLICATION INFO.:	US 1987-67799		19870630 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lieberman, Paul		
ASSISTANT EXAMINER:	McNally, John F.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	458		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Textile fabrics such as polyester, nylon and high-tenacity nylon are continuously dyed using a non-aqueous dye composition at elevated

temperatures in an air atmosphere. The non-aqueous dye composition consisting of high-boiling, nonionic solvent and a dye, is applied to the textile in an air atmosphere at a temperature below 280° F. then, while the dye composition is entrained in the fabric, the fabric is heated also in an ambient atmosphere to effective dyeing. Non-reactive environments or inert temperatures are not required.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 21 USPATFULL on STN

ACCESSION NUMBER: 89:5779 USPATFULL  
 TITLE: Method for dyeing in high-boiling nonionic solvents  
 INVENTOR(S): Davis, James K., Greensboro, NC, United States  
 Craycroft, Robert S., Sophia, NC, United States  
 Lorenzo, Tina V., Jamestown, NC, United States  
 PATENT ASSIGNEE(S): Burlington Industries, Inc., Greensboro, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4799935		19890124
APPLICATION INFO.:	US 1987-40825		19870421 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Niebling, John F.		
ASSISTANT EXAMINER:	Rodriguez, Isabelle		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
LINE COUNT:	489		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Textiles, especially polyester, nylon and high-tenacity nylon, are continuously dyed in an organic medium containing a high-boiling, nonionic solvent admixed with one or more lower-boiling organic solvents and at least one dyestuff dissolved in the solvent media. The lower-boiling solvent acts as a carrier to entrain the dye and allows the dye to enter the fiber evenly. The non-aqueous dyestuff medium allows the process to be conducted above the boiling point of water which facilitates dye penetration into the fiber and, in turn, shortens the dyeing process. Atmospheric pressure may be used, thus avoiding the constraints of a batch-type operation of pressurized dyeing procedures, as is conventionally used in this art. Fabric may be dyed in open width under restraint at elevated temperatures thereby achieving uniform coloring of the fabric without shade variations from end-to-end or "tailing". Dyeing the fabric at elevated temperatures with dimensional control allows the fabric to be heatset simultaneously with the dyeing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 21 USPATFULL on STN

ACCESSION NUMBER: 88:77630 USPATFULL  
 TITLE: Novel organic compounds for use in electrophotographic elements  
 INVENTOR(S): Rule, Norman G., Rochester, NY, United States  
 PATENT ASSIGNEE(S): Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4788336		19881129
APPLICATION INFO.:	US 1987-6400		19870123 (7)
DOCUMENT TYPE:	Utility		

10/621,361

FILE SEGMENT: Granted  
PRIMARY EXAMINER: Welsh, J. David  
LEGAL REPRESENTATIVE: Fuerle, Richard D.  
NUMBER OF CLAIMS: 8  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)  
LINE COUNT: 643

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In accordance with the present invention there is provided an organic compound having the formula selected from the group consisting of: ##STR1## wherein x is an integer from 0 to 2, y is an integer from 1 to 6, and z is an integer from 0 to 2; ##STR2## wherein L is aliphatic, alicyclic or aromatic and a is an integer from 2 to 6; and wherein G has the formula ##STR3## wherein n is an integer from 0 to 6 and Q.sub.1, Q.sub.2, Q.sub.3, Q.sub.5, Q.sub.6, and Q.sub.7, which may be the same or different, represent H or CH.sub.3, and Q.sub.4 represents H or CH.sub.3 when x and z are 0 or n is greater than 0, or Q.sub.4 represents CH.sub.3 when x or z are 1 or 2 and n is 0.

The compounds, which exhibit unexpectedly high T.sub.g and unexpectedly high resistance to oxidation, are useful in electrophotographic elements.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 21 USPATFULL on STN  
ACCESSION NUMBER: 88:40434 USPATFULL  
TITLE: Method of stripping dyes from high-boiling non-ionic media  
INVENTOR(S): Davis, James K., Greensboro, NC, United States  
Connelly, Robert W., Greensboro, NC, United States  
PATENT ASSIGNEE(S): Burlington Industries, Inc., Greensboro, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4753732		19880628
APPLICATION INFO.:	US 1987-38495		19870415 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Spear, Frank		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	287		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Dyes are removed from waterless dye compositions by mixing the dyeing composition, composed of one or more dyes in a high-boiling, nonionic liquid, with an extraction solvent that is immiscible with the high-boiling liquid, yet solubilizes the dye. The dye laden extraction solvent is separated as a separate phase from the high-boiling, nonionic liquid medium.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 12 OF 21 USPATFULL on STN  
ACCESSION NUMBER: 88:19161 USPATFULL  
TITLE: Method for bleaching cotton  
INVENTOR(S): Wilson, Robert B., Greenville, SC, United States  
PATENT ASSIGNEE(S): Crucible Chemical Company, Greenville, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4734098		19880329
APPLICATION INFO.:	US 1985-800727		19851122 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lieberman, Paul		
ASSISTANT EXAMINER:	Skaling, Linda D.		
LEGAL REPRESENTATIVE:	Bailey & Hardaway		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	766		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for bleaching cotton substrates comprises the steps of:

(a) immersing an unbleached cotton substrate in an aqueous hydrogen peroxide solution at pH 4.5-11 at 15°-90° C. to saturate the cotton substrate with hydrogen peroxide solution;

(b) removing the thus-saturated cotton substrate from the aqueous hydrogen peroxide solution and removing from the substrate hydrogen peroxide solution in excess of 50-500% by weight pick-up;

(c) transferring the resulting cotton substrate to a bath of an inert high boiling organic heating medium at a temperature between 100° C. and the boiling or decomposition point of the organic heating medium 5 sec-20 min and

(d) removing the cotton substrate from the organic heating medium and separating entrained organic heating medium therefrom.

The organic heating medium preferably comprises one or more of:

A. an aromatic polyester of the formula C.sub.6 H.sub.z' --(COOR.sub.1).sub.z, wherein z is 3, 4, 5, or 6; z' is 6-z and R.sub.1 is higher alkyl;

B. a cycloaliphatic diester of the formula ##STR1## wherein R is substituted or unsubstituted straight or branched chain alkyl of 4-20 carbon atoms or polyoxyalkylene of the formula HO(C.sub.x H.sub.y O).sub.n C.sub.x H.sub.y --;

C. a bisterephthalate ester of an alkylphenylpolyoxyethanol;

D. a triglyceride fat or oil;

E. a silicone oil;

F. a halogenated hydrocarbon;

G. a glycol or glycol ether or

H. a hydrocarbon wax or oil.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 13 OF 21 USPATFULL on STN

ACCESSION NUMBER: 88:6796 USPATFULL

TITLE: Process to decolorize dye composition and method of use thereof for coloring thermoplastic articles

INVENTOR(S): Wilson, Robert B., Greenville, SC, United States

PATENT ASSIGNEE(S): Crucible Chemical Company, Greenville, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4722738		19880202
APPLICATION INFO.:	US 1986-889690		19860725 (6)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1985-769612, filed on 26 Aug 1985, now patented, Pat. No. US 4602916, issued on 29 Jul 1986 which is a continuation-in-part of Ser. No. US 1985-702316, filed on 15 Feb 1985, now patented, Pat. No. US 4608056, issued on 26 Aug 1986 which is a continuation-in-part of Ser. No. US 1984-584144, filed on 27 Feb 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clingman, A. Lionel		
LEGAL REPRESENTATIVE:	Bailey & Hardaway		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1093		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A waterless dye composition for apparel and other articles, made from thermoplastic materials, comprises an aliphatic polyester of a higher alkanolic acid and a polyol, of the formula (ACOO).sub.2-6 B, wherein A is alkyl of 8-22 carbon atoms and B is the residue of a polyhydric alcohol, other than glycerol, of 2-6 hydroxyl groups and an organic colorant. The compositions can further comprise an aromatic polyester of the formula C.sub.6 H.sub.z' --COOR.sub.1).sub.z, wherein z is 3, 4, 5, or 6; z' is 6-z; and R.sub.1 is higher alkyl; and/or a cycloaliphatic diester of the formula ##STR1## wherein R is substituted or unsubstituted straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula HO(C.sub.x H.sub.y O).sub.n C.sub.x H.sub.y --or phosphated polyoxyalkylene of the formula (HO).sub.2 P(.dbd.O)(C.sub.x H.sub.2x O).sub.n C.sub.x H.sub.2x or a salt thereof, wherein (C.sub.x H.sub.2x O).sub.n is (CH.sub.2 CH.sub.2 O).sub.n, (C.sub.3 H.sub.6 O).sub.n or (CH.sub.2 CH.sub.2 O).sub.p (C.sub.3 H.sub.6 O).sub.q, n is 2-22, and the sum of p+q is n.

A process for coloring apparel or other articles, fabricated from polyester, polyamide, polyurethane, acrylic, halogenated polyolefin or epoxy plastic, comprises exposing an article to the foregoing compositions, maintained at a temperature between 100° C. and the temperature at which the plastic is degraded, for a time adequate to achieve the desired degree of coloration.

The compositions may further be diluted with water and used for textile finishing processes or as dyeing assistants in aqueous baths.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 21 USPATFULL on STN  
 ACCESSION NUMBER: 88:6793 USPATFULL  
 TITLE: Continuous dyeing processing for textiles  
 INVENTOR(S): Brodmann, George L., Greensboro, NC, United States  
 PATENT ASSIGNEE(S): Burlington Industries, Inc., Greensboro, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4722735		19880202
APPLICATION INFO.:	US 1987-1748		19870109 (7)

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Clingman, A. Lionel  
ASSISTANT EXAMINER: Rodriguez, Isabelle  
LEGAL REPRESENTATIVE: Nixon & Vanderhye  
NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 11  
LINE COUNT: 403

AB A process is described for the continuous dyeing of textiles in which an aqueous solution of an ionic, water-soluble dye is applied to a fabric in open width. The textile is dried to reduce the water content to at most about 1% and it is then contacted with a nonionic, high-boiling organic liquid in which the ionic dye is substantially completely insoluble while the liquid is maintained at an elevated temperature, i.e., about 325° F.-450° F., for a period of time sufficient to cause the dye to diffuse into the fibers and to fix the ionic dye to the fibers of the textile. Any remainig high-boiling liquid is subsequently removed from the fabric.

L4 ANSWER 15 OF 21 USPATFULL on STN  
ACCESSION NUMBER: 87:81112 USPATFULL  
TITLE: Disperse dye composition for use in solvent dyeing  
INVENTOR(S): Wilson, Robert B., Greenville, SC, United States  
Pomeroy, William F., Rocky Mount, NC, United States  
PATENT ASSIGNEE(S): Crucible Chemical Company, Greenville, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4708719		19871124	
APPLICATION INFO.:	US 1984-669352		19841108	(6)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Lieberman, Paul			
ASSISTANT EXAMINER:	McNally, John F.			
LEGAL REPRESENTATIVE:	Bailey & Hardaway			
NUMBER OF CLAIMS:	17			
EXEMPLARY CLAIM:	1			
LINE COUNT:	940			

AB      A disperse dye concentrate for use in non-aqueous solvent systems, employing a disperse dye, comprises 10-95% by weight of dry disperse dye, free of water-soluble dispersing agents, admixed with one or more of:

(A) a cycloaliphatic diester of the formula ##STR1## wherein R is straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula  $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_n\text{CH}_2\text{CH}_2-$ ,  $\text{HO}(\text{C}_3\text{H}_6\text{O})_n\text{C}_3\text{H}_6-$ ,  $\text{HO}(\text{CH}_2\text{CH}_2)_p(\text{C}_3\text{H}_6\text{O})_q\text{C}_3\text{H}_6-$  or  $\text{HO}(\text{C}_3\text{H}_6\text{O})_p(\text{CH}_2\text{CH}_2\text{O})_q\text{CH}_2\text{CH}_2-$  or phosphated polyoxyalkylene, wherein n is 2-22 and the sum of p+q is n;

(B) a high boiling aromatic ester of the formula

ArCOOR.sub.2

II

$$\text{or } \text{ArCOO} \text{---} \text{R}_{\text{sub.1}} \text{---} \text{OOCAr}$$

III



wherein R.sub.1 is alkylene of 2-8 carbon atoms or polyoxyalkylene of the formula --C.sub.r H.sub.2r (OC.sub.r H.sub.2r).sub.s --, in which r is 2 or 3 and s is 1 to 15; R.sub.2 is substituted or unsubstituted alkyl or alkenyl of 8-30 carbon atoms and Ar is substituted or unsubstituted mono- or bicyclic aryl of up to 15 carbon atoms; or

(C) a high boiling alkylphenol ester of an aliphatic or aromatic monocarboxylic acid or a phosphoric acid of the formula

R.sub.3 COOR.sub.4 IV

or (HO).sub.2 POOR.sub.4 V

wherein R.sub.4 is the residue of an ethoxylated alkylphenol of the formula ##STR2## wherein a is 0-12 and b is 1-24 or an ethoxylated alkanol residue of the formula

CH.sub.3 (CH.sub.2).sub.c --O--(CH.sub.2 CH.sub.2 O).sub.d --CH.sub.2 CH.sub.2 -- VII

wherein c is 7-22, d is 1-24 and R.sub.3 is linear or branched chain alkyl of 1-21 carbon atoms, phenyl or tolyl.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 16 OF 21 USPATFULL on STN

ACCESSION NUMBER: 86:47799 USPATFULL

TITLE: Dye composition and method of use thereof for coloring thermoplastic materials

INVENTOR(S): Wilson, Robert B., P.O. Box 6786, Greenville, SC, United States 29606

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4608056		19860826
APPLICATION INFO.:	US 1985-702316		19850215 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1984-584144, filed on 27 Feb 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clingman, A. Lionel		
LEGAL REPRESENTATIVE:	Bailey & Hardaway		
NUMBER OF CLAIMS:	42		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1214		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A waterless dye composition for apparel and other thermoplastic articles comprises an aromatic polyester of the formula C.sub.6 H.sub.z' --(COOR.sub.1).sub.z, wherein z is 3, 4, 5, or 6; z' is 6 - z; and R.sub.1 is higher alkyl; and/or a cycloaliphatic diester of the formula ##STR1## wherein R is substituted or unsubstituted straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula HO(C.sub.x H.sub.y O).sub.n C.sub.x H.sub.y -- or phosphated polyoxyalkylene of the formula

(HO).sub.2 P(.dbd.O)O(C.sub.x H.sub.2x O).sub.n C.sub.x H.sub.2x

or a salt thereof, wherein (C.sub.x H.sub.2x O).sub.n is (CH.sub.2 CH.sub.2 O).sub.n, (C.sub.3 H.sub.6 O).sub.n or (CH.sub.2 CH.sub.2 O).sub.p -- (C.sub.3 H.sub.6 O).sub.q, n is 2-22, and the sum of p+q is n; and an organic colorant.

A process for coloring apparel or other articles, fabricated from polyester, polyamide, polyurethane, acrylic, halogenated polyolefin or epoxy plastic, comprises exposing an article to the foregoing compositions, maintained at a temperature between 100° C. and the temperature at which the plastic is degraded, for a time adequate to achieve the desired degree of coloration.

The compositions may further be diluted with water and used for textile finishing processes or as dyeing assistants in aqueous baths.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 17 OF 21 USPATFULL on STN

ACCESSION NUMBER: 86:42134 USPATFULL

TITLE: Dye composition and method of use thereof for coloring thermoplastic articles

INVENTOR(S): Wilson, Robert B., Greenville, SC, United States

PATENT ASSIGNEE(S): Crucible Chemical Company, Greenville, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4602916		19860729
APPLICATION INFO.:	US 1985-769612		19850826 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1985-702316, filed on 15 Feb 1985 which is a continuation-in-part of Ser. No. US 1984-584144, filed on 27 Feb 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clingman, A. Lionel		
LEGAL REPRESENTATIVE:	Bailey & Hardaway		
NUMBER OF CLAIMS:	37		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1204		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A waterless dye composition for apparel and other articles, made from thermoplastic materials, comprises an aliphatic polyester of a higher alkanolic acid and a polyol, of the formula (ACOO).sub.2-6 B, wherein A is alkyl of 8-22 carbon atoms and B is the residue of a polyhydric alcohol, other than glycerol, of 2-6 hydroxyl groups and an organic colorant. The compositions can further comprise an aromatic polyester of the formula C.sub.6 H.sub.z' --(COOR.sub.1).sub.z, wherein z is 3, 4, 5, or 6; z' is 6-z; and R.sub.1 is higher alkyl; and/or a cycloaliphatic diester of the formula ##STR1## wherein R is substituted or unsubstituted straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula HO(C.sub.x H.sub.y O).sub.n C.sub.x H.sub.y -- or phosphated polyoxyalkylene of the formula (HO).sub.2 P(.dbd.O)O(C.sub.x H.sub.2x O).sub.n C.sub.x H.sub.2x or a salt thereof, wherein (C.sub.x H.sub.2x O).sub.n is (CH.sub.2 CH.sub.2 O).sub.n, (C.sub.3 H.sub.6 O).sub.n or (CH.sub.2 CH.sub.2 O).sub.p (C.sub.3 H.sub.6 O).sub.q, n is 2-22, and the sum of p+q is n.

A process for coloring apparel or other articles, fabricated from polyester, polyamide, polyurethane, acrylic, halogenated polyolefin or epoxy plastic, comprises exposing an article to the foregoing compositions, maintained at a temperature between 100° C. and the temperature at which the plastic is degraded, for a time adequate to achieve the desired degree of coloration.

The compositions may further be diluted with water and used for textile finishing processes or as dyeing assistants in aqueous baths.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 18 OF 21 USPATFULL on STN

ACCESSION NUMBER: 86:19951 USPATFULL

TITLE: Waterless dye composition and method of use thereof for coloring thermoplastic articles

INVENTOR(S): Wilson, Robert B., Greenville, SC, United States

PATENT ASSIGNEE(S): Crucible Chemical Company, Greenville, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4581035		19860408
APPLICATION INFO.:	US 1984-669354		19841108 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clingman, A. Lionel		
LEGAL REPRESENTATIVE:	Bailey & Hardaway		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
LINE COUNT:	847		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A waterless dye composition for apparel and other thermoplastic articles comprises a triglyceride fat or oil of the formula ##STR1## wherein acyl, acyl' and acyl" each are saturated or unsaturated substituted or unsubstituted linear alkanoyl of an even number of carbon atoms from 10-30 carbon atoms and an organic colorant.

The composition can further contain one or more of:

A. an aromatic polyester of the formula  $C_{.6}H_{.z}-(COOR_{.1})_{.z}$ , wherein z is 3, 4, 5, or 6; z' is 6-z and  $R_{.1}$  is higher alkyl;

B. a cycloaliphatic diester of the formula ##STR2## wherein R is substituted or unsubstituted straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula  $HO(C_{.x}H_{.y}O)_{.n}C_{.x}H_{.y}$  --or phosphated polyoxyalkylene of the formula

$$(HO)_{.2}P(.dbd.O)O(C_{.x}H_{.2x}O)_{.n}C_{.x}H_{.2x}$$

or a salt thereof, wherein  $(C_{.x}H_{.2x}O)_{.n}$  is  $(CH_{.2}O)_{.n}$ ,  $(C_{.3}H_{.6}O)_{.n}$  or  $(CH_{.2}O)_{.p}-(C_{.3}H_{.6}O)_{.q}$ , n is 2-22, and the sum of p+q is n; or

C. a bisterephthalate ester of an alkylphenylpolyoxyethanol.

A process for coloring apparel or other articles, fabricated from polyester, polyamide, polyurethane, acrylic, halogenated polyolefin or epoxy plastic, comprises exposing an article to the foregoing compositions, maintained at a temperature between 100° C. and the temperature at which the plastic is degraded, for a time adequate to achieve the desired degree of coloration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 19 OF 21 USPATFULL on STN

ACCESSION NUMBER: 85:41600 USPATFULL

TITLE: Waterless dye composition and method of use thereof for coloring thermoplastic materials

INVENTOR(S): Wilson, Robert B., Greenville, SC, United States  
 PATENT ASSIGNEE(S): Crucible Chemical Company, Greenville, SC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4529405		19850716
APPLICATION INFO.:	US 1984-584143		19840227 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lieberman, Paul		
ASSISTANT EXAMINER:	McNally, John F.		
LEGAL REPRESENTATIVE:	Bailey & Hardaway		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
LINE COUNT:	801		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A waterless dye composition for apparel and other thermoplastic articles comprises a bisterephthalate diester of an alkylphenoxypolyethoxyethanol and an organic colorant. Aromatic polyesters of the formula C.sub.6 H.sub.z' --(COOR.sub.1).sub.z, wherein z is 3, 4, 5, or 6; z' or 6 - z and R.sub.1 is higher alkyl and/or cycloaliphatic diesters of the formula ##STR1## wherein R is substituted or unsubstituted straight or branched chain alkyl of 4-20 carbon atoms, polyoxyalkylene of the formula HO(C.sub.x H.sub.y O).sub.n C.sub.x H.sub.y --or phosphated polyoxyalkylene of the formula

(HO).sub.2 P(.dbd.O)O(C.sub.x H.sub.2x O).sub.n C.sub.x H.sub.2x

or a salt thereof, wherein (C.sub.x H.sub.2x O).sub.n is (CH.sub.2 CH.sub.2 O).sub.n, (C.sub.3 H.sub.6 O).sub.n or (CH.sub.2 CH.sub.2 O).sub.p --(C.sub.3 H.sub.6 O).sub.q, n is 2-22, and the sum of p+q is n can be admixed with the terephthalate composition.

A process for coloring apparel or other articles, fabricated from polyester, polyamide, polyurethane, acrylic, halogenated polyolefin or epoxy plastic, comprises exposing an article to the foregoing compositions, maintained at a temperature between 100° C. and the temperature at which the plastic is degraded, for a time adequate to achieve the desired degree of coloration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 20 OF 21 USPATFULL on STN

ACCESSION NUMBER: 84:14258 USPATFULL  
 TITLE: Fire-retardant insulating oils  
 INVENTOR(S): Ohe, Etsuo, Hitachi, Japan  
 Sugawara, Katsuo, Hitachi, Japan  
 Tani, Ititaro, Kitaibaraki, Japan  
 Tsukioka, Hideo, Mito, Japan  
 PATENT ASSIGNEE(S): Hitachi, Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4436654		19840313
APPLICATION INFO.:	US 1982-376125		19820507 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1981-68168	19810508
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	

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PRIMARY EXAMINER: Kittle, John E.  
ASSISTANT EXAMINER: Wax, Robert A.  
LEGAL REPRESENTATIVE: Antonelli, Terry & Wands  
NUMBER OF CLAIMS: 14  
EXEMPLARY CLAIM: 1  
LINE COUNT: 464

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A phosphoric triester containing at least one aromatic ring is mixed in an amount of 30 to 80% by weight based on the total constituents with a benzenetricarboxylic acid trialkyl ester or with a polyol ester obtained from trimethylolpropane and a saturated fatty acid to give a fire-retardant insulating oil.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 21 OF 21 USPATFULL on STN  
ACCESSION NUMBER: 81:9285 USPATFULL  
TITLE: Pasty damping agent dispersion  
INVENTOR(S): Lochner, Kaspar, Karlsburger Str. 7b, 8000 Munchen, Germany, Federal Republic of

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4251381		19810217
APPLICATION INFO.:	US 1979-24516		19790328 (6)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1977-843989, filed on 20 Oct 1977, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1976-2647697	19761021
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Pitlick, Harris A.	
LEGAL REPRESENTATIVE:	Armstrong, Nikaido, Marmelstein & Kubovcik	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
LINE COUNT:	347	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A damping agent for damping mechanical and/or acoustical vibrations. The agent includes a fluid phase of a polyglycol, silicone oil, mineral oil, and/or a saturated aliphatic or aromatic carboxylic acid ester having graphite dispersed therein. The graphite is dispersed by means of a wetting agent. Anti-oxidants and an agent to stabilize the structural viscosity of the damping agent may also be included.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.